

Rat Tropic 1808 - Purified

Catalog No.: AR10448PU-L

Quantity: 1 mg

Background: Tropic 1808 is a candidate chemotropic factor induced by nerve injury. Tpc1808 protein, similar to NGF, could promote the expression of NF-H in a time-dependent manner. Tpc1808 is the gene related to promotion of nerve growth, and both the Tpc1808 gene and the Tpc1808 recombinant protein up-regulate the expression of NF-H in PC12 cells.

Uniprot ID: [Q9R0C2](#)

NCBI: [NP_072147.1](#)

GeneID: [64560](#)

Species: Rat

Source: E. coli

Format: **State:** Sterile Filtered White lyophilized (freeze-dried) powder
Purity: >95.0% as determined by both RP-HPLC and SDS-PAGE analysis
Buffer System: 1X PBS, pH 7.4

Description: Tropic-1808 Human Recombinant protein fused to N-terminal His-Tag produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 285 amino acids and purified by proprietary chromatographic techniques.

AA Sequence:

MSYYHHHHHMLAQLAALNQISNLNAIRVGQVLKVSNAAGSNNTQNTTQPSA
AGVPTNTASSTTGTYTKSGDTLSAIAAANGVSLANLLSWNNLSLQAIITYPGQKLA
TIQNANNATVTPNAPTSTPTVMPSTNGSYTVKSGDTLYGIAAKLGTNVQTLLSA
LNLQLSSTIYVGQVLKTTGAVAGAGTATSTPTPVTPTVSKPAAANGVSTAGLSA
AAQAAWLRTAVVDAQAATAGTGVLASVTVAQAILESGWGQSALASAPYHNF
NLYLIKVKNTWKLMTTTTLS.

Molecular weight: 29.1 kDa

Storage: Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.